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AUTHOR	Posamentier, Alfred S.
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ABSTRACT

This book offers ideas to enrich instruction and help teachers explore the intrinsic beauty of math. Through dozens of examples from arithmetic, algebra, geometry, and probability, the symmetries, patterns, processes, paradoxes, and surprises that have facilitated generations of great thinkers are revealed. Activities include: (1) The Beauty in Numbers; (2) Some Arithmetic Marvels; (3) Problems with Surprising Solutions; (4) Algebraic Entertainments; (5) Geometric Wonders; (6) Mathematical Paradoxes; (7) Counting and Probability; and (8) Mathematical Potpourri. (KHR)

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